

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	<i>Application Number</i>	New Application
	<i>Filing Date</i>	Herewith
	<i>First Named Inventor</i>	Baldomero M. OLIVERA
	<i>Group Art Unit</i>	To Be Assigned
	<i>Examiner Name</i>	To Be Assigned
	<i>Attorney Docket Number</i>	2314-280
<i>Title of the Invention:</i> MU-CONOPEPTIDES		

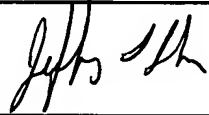
INFORMATION DISCLOSURE STATEMENT

Director of the United States Patent
and Trademark Office
P.O. Box 1450
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Dear Sir:

The material listed on the accompanying PTO-1449 forms attached hereto is cited in compliance with the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Applicant respectfully requests that the Examiner consider these references with respect to the present application.

Copies of these references can be found with the parent application, U.S. Serial Number 09/910,009 and, accordingly, will not be resubmitted unless requested by the Examiner.

RESPECTFULLY SUBMITTED,					
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<i>Signature</i>			<i>Date</i>	21 April 2004	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Complete if Known</i>	
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				Examiner Name	To Be Assigned
Sheet	1	of	2	Attorney Docket Number	2314-280

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	5,670,622		SHON et al.	09-23-1997

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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Sheet	2	of	2	Attorney Docket Number	2314-280
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	2	CRUZ, L.J. et al. (1985). "Conus geographus Toxins That Discriminate Between Neuronal and Muscle Sodium Channels," <i>J. Biol. Chem.</i> 260 (16), Aug. 5, pp. 9280-9288.			
	3	CRUZ, L.J. et al. (1989). "μ-Conotoxin GIIIA, a Peptide Ligand for Muscle Sodium Channels: Chemical Synthesis, Radiolabeling, and Receptor Characterization," <i>Biochemistry</i> 28 : 3437-3442.			
	4	FAINZILBER, M. et al. (1995). "A New Cysteine Framework in Sodium Channel Blocking Conotoxins," <i>Biochemistry</i> 34 :8649-8656.			
	5	JONES, R.M. et al. (2000). "Conus peptides - Combinatorial Chemistry at a Cone Snail's Pace," <i>Current Opin. Drug Discov. & Devel.</i> 3 (2):141-154.			
	6	McINTOSH, J.M. et al., "Conus Peptides as Probes for Ion Channels," <i>Methods in Enzymology</i> 294 : 605-624, 1999.			
	7	NAKAMURA, M. et al. (2001). "Modification of Arg-13 of μ-Conotoxin GIIIA with Piperidinyl-Arg Analogs and Their Relation to the Inhibition of Sodium Channels," <i>FEBS Letts.</i> 503 :107-110.			
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	9	OLIVERA, B.M. et al. (1990). "Diversity of Conus Neuropeptides," <i>Science</i> 249 :257-263.			
	10	SHON, K-J. et al. (1998). "μ-Conotoxin PIIIA, a New Peptide for Discriminating Among Tetrodotoxin-Sensitive Na Channel Subtypes," <i>J. Neurosci.</i> 18 (12), June 15, 1998:4473-4481.			
	11	WAKAMATSU, K. et al. (1992). "Structure-Activity Relationships of μ-Conotoxin GIIIA: Structure Determination of Active and Inactive Sodium Channel Blocker Peptides by NMR and Simulated Annealing Calculations," <i>Biochemistry</i> 31 :12577-12584.			
	12	WAXMAN, S.G. et al. (2000). "Voltage-gated sodium channels and the molecular pathogenesis of pain: A review," <i>J. Rehabil. Res. Devel.</i> 37 (5):517-528.			
	13	WEST, P.J. et al. (2002). "μ-Conotoxin SmIIIA, a Potent Inhibitor of Tetrodotoxin-Resistant Sodium Channels in Amphibian Sympathetic and Sensory Neurons," <i>Biochem.</i> 41 :15388-15393.			
Examiner Signature				Date Considered	

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